

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark OfficeAtty. Docket No.
36217/US/2-475387-191Serial No.
10/551,735**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)Applicant(s)
Guillermo J. Tearney et alFiling Date
September 29, 2005Confirmation No.
6550**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
		5	5	6	5	9	8	6	October 15, 1996	Knuttel*		
	2005	0	0	4	6	8	3	7	March 3, 2005	Izumi et al**		
		6	5	3	8	8	1	7	March 25, 2003	Farmer et al***		
		6	5	0	1	5	5	1	December 31, 2002	Tearney et al***		
	2006	0	1	0	3	8	5	0	May 18, 2006	Alphonse et al***		
		6	0	4	5	5	1	1	April 4, 2000	Lutz et al*****]		
	2004	0	1	5	2	9	8	9	August 5, 2004	Puttappa et al*****		
		5	2	1	2	6	6	7	May 18, 1993	Tomlinson et al. *****		
	2004	0	1	2	6	0	4	8	July 1, 2004	Dave et al*****		
		6	7	3	8	1	4	4	May 18, 2004	Dogariu et al*****		
	2006	0	2	4	4	9	7	3	November 2, 2006	Yun et al*****		
		5	7	4	8	3	1	8	May 5, 1998	Maris et al*****		
		5	0	8	5	4	9	6	February 4, 1992	Yoshida et al *****		
		6	4	4	5	4	8	5	September 3, 2002	Frigo et al*****		
		5	6	3	5	8	3	0	June 3, 1997	Itoh *****		
		5	1	2	1	9	8	3	June 16, 1992	Lec*****		
		4	9	0	9	6	3	1	March 20, 1990	Tan et al*****		
		4	8	9	0	9	0	1	January 2, 1990	Cross Jr. *****		
		5	3	1	7	3	8	9	May 31, 1994	Hochberg et al*****		
		6	8	3	9	4	9	6	January 4, 2005	Mills et al*****		
		4	1	4	0	3	6	4	February 20, 1979	Yamashita et al CE		
		5	9	1	2	7	6	4	June 15, 1999	Togino CE		

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		3	0	9	0	7	5	3	May 21, 1963	Matuszak et al CE			
	200	5	0	3	5	2	9	5	February 17, 2005	Bouma et al CE			
		3	8	7	2	4	0	7	March 18, 1975	Hughes CE			
		4	7	5	1	7	0	6	June 14, 1988	Rohde et al CE			
		4	2	2	4	9	2	9	September 30, 1980	Furihata CE			
		4	6	5	0	3	2	7	March 17, 1987	Ogi CE			
		4	7	4	4	6	5	6	May 17, 1988	Moran et al CE			
		5	6	4	9	9	2	4	July 22, 1997	Everett et al CE			
		6	2	4	5	0	2	6	June 12, 2001	Campbell et al CE			
		6	4	7	5	2	1	0	November 5, 2002	Phelps et al CE			
		6	4	7	5	1	5	9	November 5, 2002	Casscells et al CE			
	2002	0	1	8	3	6	2	3	December 5, 2002	Tang et al CE			
	200	3	0	2	8	1	1	4	February 6, 2003	Casscells, III et al CE			
	200	3	0	9	7	0	4	8	May 22, 2003	Ryan et al CE			
		6	7	0	1	1	8	1	March 2, 2004	Tang et al CE			
		6	9	4	9	0	7	2	September 27, 2005	Furnish et al CE			
		7	1	9	0	4	6	4	March 13, 2007	Alphonse CE			
		7	2	4	2	4	8	0	July 10, 2007	Alphonse CE			
	200	4	0	5	4	2	6	8	March 18, 2004	Escenalev et al CE			
	200	4	0	7	7	9	4	9	April 22, 2004	Blofgett et al CE			
	2002	0	1	4	0	9	4	2	October 3, 2002	Fee et al CE			

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		5	2	1	4	5	3	8	May 25, 1993	Lobb CECECECE			
		6	2	9	7	0	1	8	October 2, 2001	French et al. CECECECECE			
	200	4	0	7	2	2	0	0	April 15, 2004	Rigler et al CECECECECE			
	2003	0	1	0	8	9	1	1	June 12, 2003	Klimant et al CECECECECE			
	2002	0	1	5	8	2	1	1	October 31, 2002	Gillispie CECECECECE			
		5	9	5	5	7	3	7	September 21, 1999	Hallidy et al CECECECECE			
		7	3	6	6	3	7	6	April 29, 2008	Shishkov et al CECECECECECE			
		7	3	5	9	0	6	2	April 15, 2008	Chen et al CECECECECECE			
	2003	0	2	2	0	7	4	9	November 27, 2003	Chen et al CECECECECECE			
	2004	0	2	3	9	9	3	8	December 2, 2004	Izatt CECECECECECE			
	2005	0	1	7	1	4	3	8	August 4, 2005	Chen et al. CECECECECECE			
		7	0	6	1	6	2	2	June 13, 2006	Rollins et al. CECECECECECE			
		5	3	1	8	0	2	4	June 7, 1994	Kittrell et al CECECECECECE			
	2007	0	0	1	9	2	0	8	January 25, 2007	Toida et al CECECECECECE			
	2007	0	2	9	1	2	7	7	December 20, 2007	Everett et al CECECECECECE			
		7	3	5	5	7	1	6	April 8, 2008	De Boer et al CECECECECECE			
		7	3	9	1	5	2	0	June 24, 2008	Zhou et al CECECECECECE			
	200	6	1	4	6	3	3	9	July 6, 2006	Fujita et al Ω			
		4	8	3	4	1	1	1	May 30, 1989	Khanna et al. $\Omega\Omega$			
	200	4	2	6	3	8	4	3	December 30, 2004	Knopp et al. $\Omega\Omega\Omega$			
		6	0	2	0	9	6	3	February 1, 2000	Dimarzio et al $\Omega\Omega\Omega\Omega$			

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		Document No.							Date	Country	Class	SubClass	Translator Yes No	
		9	2	1	6	8	6	5	October 1, 1993	WIPO****				
		0	7	2	8	4	4	0	August 28, 1996	Europe*****				
	200	7	0	2	8	5	3	1	March 15, 2007	WIPO*****				
	199	8	0	4	8	8	4	6	November 5, 1998	WIPO*****				
	200	3	1	0	5	6	7	8	December 24, 2003	WIPO*****				
	200	6	0	3	9	0	9	1	April 13, 2006	WIPO*****				
		9	2	1	6	8	6	5	October 1, 1992	WIPO GE				
		1	3	2	4	0	5	1	July 2, 2003	Europe GECECECE				
	200	7	0	8	3	1	3	8	July 26, 2007	WIPO CECECECECE				
		0	6	1	7	2	8	6	February 16, 1994	Europe CECECECECE				
	200	6	0	5	9	1	0	9	June 8, 2006	WIPO CECECECECE				
		7	9	0	0	8	4	1	October 18, 1979	WIPO ΩΩ				
		9	8	0	0	0	5	7	January 8, 1998	WIPO ΩΩΩ				

*Reference cited in Office Action dated October 1, 2008 for U.S. Patent Application No. 11/955,986

**References cited in Invitation to Pay Additional Fees dated August 7, 2008 for International Application No. PCT/US2008/062354

***References cited in Invitation to Pay Additional Fees dated July 29, 2008 for International Application No. PCT/US2007/081982

****References cited in International Search Report and Written Opinion dated March 7, 2006 for International Search Report for

PCT/US2005/035711

*****References cited in International Search Report and Written Opinion dated July 18, 2008 for International Application No.

PCT/US2008/05733

*****References cited in International Search Report and Written Opinion dated July 4, 2008 for International Application No.

PCT/US2008/051432

*****References cited in Office Action dated June 30, 2008 for U.S. Patent Application No. 11/670,058

*****References cited in Office Action dated July 7, 2008 for U.S. Patent Application No. 10/551,735

*****References cited in Australian Examiners Report dated May 27, 2008 for Australian Patent Application no 2003210669

*****References cited in Notice of Allowance mailed June 4, 2008 for U.S. patent application no. 11/174,425

[E] References cited in European Communication dated May 15, 2008 for European patent application no. 05819917.5

[EE] References cited in International Search Report and Written Opinion dated June 10, 2008 for International Application No.

PCT/US2008/051335

References cited in Office Action dated August 21, 2008 for U.S. patent application no. 11/505,700

FIGURE References cited in International Search Report and Written Opinion dated July 17, 2008 for International Application no.

PCT/US2008/057450

REF ID: A66867

Figure 1 is a line graph illustrating the percentage of the total sample for various age groups across different years. The x-axis represents the years from 1970 to 2000, and the y-axis represents the percentage of the total sample, ranging from 0 to 100. The age groups are: 0-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+. The graph shows a general trend of decreasing percentages for younger age groups and increasing percentages for older age groups over time.

Year	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
1970	18	15	12	10	8	6	4	2
1975	17	14	11	9	7	5	3	2
1980	16	13	10	8	6	4	2	1
1985	15	12	9	7	5	3	1	1
1990	14	11	8	6	4	2	1	1
1995	13	10	7	5	3	1	1	1
2000	12	9	6	4	2	1	1	1

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References cited in Office Action dated August 25, 2008 for U.S. patent application no. 11/264,655

References cited in Office Action dated September 11, 2008 for U.S. patent application no. 11/624,334

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		Richards G.J. et al. (1997) "Laser Speckle Contrast Analysis (LASCA): A Technique for Measuring Capillary Blood Flow Using the First Order Statistics of Laser Speckle Patterns" April 2, 1997*****

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		Motaghian Nezam, S.M.R. (2007) "increased Ranging Depth in optical Frequency Domain Imaging by Frequency Encoding" <i>Optics Letters</i> , Vol 32, No. 19, October 1, 2007.
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		Copy of Australian Examiner's Report mailed May 27, 2008 for Australian patent application no. 2003210669
		Copy of Notice of Allowance mailed June 4, 2008 for U.S. Patent application no. 11/174,425
		Copy of European communication dated May 15, 2008 for European patent application no. 05819917.5
		Copy of International Search Report and Written Opinion mailed June 10, 2008 for PCT/US2008/051335
		Oh, W.Y. et al (2006) "Ultrahigh-Speed Optical Frequency Domain Imaging and Application to laser Ablation Monitoring" <i>Applied Physics Letters</i> , Vol 88. CEE
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		Copy of International Search Report and Written Opinion dated August 11, 2008 for International Application no. PCT/US2008/058703
		US National Library of Medicine (NLM), Bethesda, MD, US; October 2007 (2007-10), "Abstracts of the 19 th Annual Symposium of Transcatheter Cardiovascular Therapeutics, October 20-25, 2007, Washington, DC, USA." EEEEE
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		Database Biosis Biosciences Information Service, Philadelphia, PA, US; October 2006, Yelin D. et al: "Three-Dimensional Miniature Endoscopy" 121

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		Copy of International Search Report and Written Opinion mailed March 14, 2005 for PCT/US2004/018045
		Copy of Notification of the international Preliminary Report on Patentability mailed October 21, 2005
		Shim M.G. et al., "Study of Fiber-Optic Probes For In vivo Medical Raman Spectroscopy" Applied Spectroscopy, Vol. 53, No. 6, June 1999 $\Omega\Omega\Omega$
		Bingdi U. et al., "Fibre-Optic Laser-Assisted Infrared Tumour Diagnostics (FLAIR); Infrared Tumour Diagnostics" Journal of Physics D. Applied Physics, Vol. 38, No. 15, August 7, 2005 $\Omega\Omega\Omega$
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4814-3756-0579\1

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